FIG. 1

PRECEDING VEHICLE DETECTION SWITCH — 16

VEHICLE INFORMATION INDICATING SECTION — 12

IMAGE DISPLAY SECTION — 14

VOICE OUTPUT SECTION — 13

VEHICLE CONTROL PROHIBITION SECTION — 17

TARGET VALUE DETECTING SECTION — 10

VEHICLE CONDITION CONTROL SECTION — 11

STEERING ANGLE SENSOR — 7

VEHICLE CONTROL MAIN SWITCH — 15

PRECEDING VEHICLE DETERMINATION SECTION — 9

VEHICLE RUNNING TRACK ESTIMATION SECTION — 8

YAW RATE SENSOR — 6

CAMERA DETECTION AND OUTPUT SECTION — 4

RADAR DETECTION AND OUTPUT SECTION — 2

VEHICLE SPEED SENSOR — 5

CAMERA — 3

RADAR — 1

FIG. 2

```
                    START

S1  ┌───────────────────────────┐
    │ VEHICLE CONTROL MAIN SWITCH│ ──NO──────────────────────────────────────────────┐
    │   IS IN THE ON STATE ?     │                                                    │
    └───────────────────────────┘                                                    │
            │ YES                                                                     │
S2  ┌────────────────────────────┐                                                   │
    │ PRECEDING VEHICLE DETECTION │ ──NO──┐                                           │
    │ SWITCH IS IN THE ON STATE   │       │                                           │
    │ AND DRIVER DOES NOT WANT    │       │                                           │
    │ FOLLOW-UP CONTROL OPERATION ?│      │                                           │
    └────────────────────────────┘       │                                           │
            │ YES                         │                                           │
S3  ┌────────────────────┐               │                                           │
    │ VISIBILITY IS       │ ──NO──────────┤                                           │
    │ DEGRADED ?          │               │                                           │
    └────────────────────┘               │                                           │
            │ YES                         ▼                                           ▼
S4  ┌──────────────────────┐   S6 ┌──────────────────────┐   S8 ┌──────────────────────┐
    │ FOLLOW-UP CONTROL     │      │ FOLLOW-UP CONTROL     │      │ FOLLOW-UP CONTROL     │
    │ OPERATION IS NOT      │      │ OPERATION CONTINUES   │      │ OPERATION IS NOT      │
    │ ALLOWED               │      │                       │      │ ALLOWED               │
    └──────────────────────┘      └──────────────────────┘      └──────────────────────┘
            │                         │ S7                           │ S9
S5  ┌──────────────────────┐      ┌──────────────────────┐      ┌──────────────────────┐
    │ PRECEDING VEHICLE     │      │ PRECEDING VEHICLE     │      │ PRECEDING VEHICLE     │
    │ DETECTION INFORMATION │      │ DETECTION INFORMATION │      │ DETECTION INFORMATION │
    │ IS DISPLAYED          │      │ IS DISPLAYED          │      │ IS NOT DISPLAYED      │
    └──────────────────────┘      └──────────────────────┘      └──────────────────────┘
            │                         │                             │
            └─────────────────────────┴─────────────────────────────┘
                            │
                          END
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